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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

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BULLETIN No 374

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CHOP FEED

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**CHOP FEED**

OTTAWA, 21st May, 1917

J. U. VINCENT, Esq., K. C., B. A.  
Deputy Minister of Inland Revenue

Sir,

I beg to hand you a report on Chop Feed, purchased as "Chop Feed" by our inspectors in January, February and March of the present year. One hundred and sixty one (161) samples have been examined, with results which may be summarized as follows :

Found genuine.....	123	samples
Found genuine as to feeding value, but containing an excess of noxious weed seeds.....	29	"
Found nearly of minimum value and passed (one sample with excess weed seeds).....	5	"
Found adulterated under the Act.....	4	"
Total.....	161	"

So far as the nutrient value of this class of Feeds is concerned, our standards require Chop Feed to possess :

Protein.....At least 10 per cent  
Fat.....At least 2 per cent  
Fibre.....At most 10 per cent

Chop Feed is defined as whole grain of one or more kinds, more or less finely ground. The known variations in value possessed by different grains are so great that, of necessity, this class of feed must vary greatly in its protein and fat. Examination of this report will demonstrate that the commercial article, while approximating to 10 per cent. of protein, greatly exceeds this limit in many instances, and particularly is this the case where peas (or beans) are employed in its manufacture. There is a temptation, in such cases, to reduce the protein percentage to standard minimum requirements by adding fibrous material, such as oat-hulls. This, of course, constitutes adulteration under the Act.

It seems to me that a much better way of assuring recognition of value, above minimum value as fixed by law, would be for the manufacturer to register his product, and to sell it under a guarantee of value, such as is required in the case of mixed feeds. This is done by comparatively few manufacturers of Chop Feed.

The difficulties in the way of taking this course, are evident in the case of the smaller mills, whose chief business is of a local character, and who do not carry a large enough stock to justify the expense of analysis and packaging. There should be no special difficulty in the case of the larger manufacturers.

In Bulletin No. 191 (Nov. 1909) which deals with the subject of Stock Feeds, I have discussed the advantage to both manufacturer and consumer which would result from more specific description of this article (Chop Feed); and the arguments there adduced are strengthened by the present report. Until definite action is taken however, we must recognize Chop Feed as an article which is required to possess a protein value of 10 per cent. a fat value of 2 per cent. and a crude fibre content not exceeding 10 per cent. by weight.

Strict interpretation of the meaning to be given to regulations limiting vital weed seeds in Feeding Stuffs, has not yet been formulated.

I beg to recommend publication of this report as Bulletin No. 374.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL

Chief Analyst.

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Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

## DISTRICT OF NOVA SCOTIA—

1917 March 15	Chop Feed	76456	H. S. Hall, Bridgewater, N.S.	3 lbs		Can. Cereal Co., Toronto	Mfrs
" 19	"	76457	S. P. Goudy, Yarmouth, N.S.	"	6	Unknown	Wm. Law & Co, Yarmouth.

## DISTRICT OF PRINCE EDWARD ISLAND :—

March 14	Chop Feed	60622	Carter & Co., Ch. town P. E. I.	3 lbs	6	Robin Hood Mills Moose Jaw	
" 14	"	60623	" " " "	"	8	Vendors	.....
" 14	"	60624	" " " "	"	9	Stein Bros. St. John, N. B.	.....
" 14	"	60626	McKie & Nelson, Ch. Town P. E. I.	"	9	.....	Carter & Co Ch. Town P. E. I.
" 14	"	60629	" " " "	"	10	.....	Carvell Bros.

## DISTRICT OF NEW BRUNSWICK :—

Jan. 6	Chop Feed	60636	Ira B. Kierstead, St-John, N. B.	3 lbs	10	Maritime Corn Meal Mills, St. John N. B.	.....
" 6	"	60637	Steen Bros, St-John, N. B....	"	15	Vendors	.....
" 6	"	60638	St. John Milling Co., St-John N. B.	"	"	"	.....
" 24	"	60639	Baird & Peters, Fredericton, N. B.	"	"	Quaker Oats Co., Peterboro	.....
" 25	"	60640	A. F. Randolph & Sons, Fredericton, N. B.	"	"	" "	.....
" 25	"	60641	Meduxnekeag Mills, Woodstock, N. B.	"	10	Vendors	.....
" 27	"	60642	Leon Turcotte, Grand Falls N. B.	"	15	Vendor	.....
Feb. 6	"	60643	Sussex Mercantile Co., Sussex, N. B.	3 pkgs	"	Ogilvies Ltd, Montreal	.....
" 8	"	60644	Fawcett Milling Co, Moncton, N. B.	"	"	Vendors	.....
" 8	"	60645	Reed Co. Ltd., Moncton, N.B	"	20	Ogilvies Ltd Montreal	.....

## CHOP FEED

Inspector's Report (Is not an agree- ment of opinion).	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed Seeds per pound		
R. J. WAUGH, INSPECTOR						
Corn & Oat Chop	9.10	3.56	5.76	450 Lambs Quarters, 25 Black Bindweed, 50 chickweed, 160 Field Pennycress, 10 Hares-Mustard, 10 wild mustard.	76456	Genuine. Noxious Weed Seeds in Excess.
" "	9.06	4.12	6.92	360 Lambs Quarters, 45 Lady's Thumb, 14 Black Bindweed, 10 Wormseed mustard 4 Hares-ear mustard	76457	Genuine

**J. F. ARSENAULT, INSPECTOR**

Mill run	6.87	3.80	23.73	18 wild mustard.	60633	Adulterated.
Oats Peas & Barley	10.30	4.72	8.56	108 spurry	60638	Genuine
Cracked Corn	10.80	3.96	2.04	None	60634	Genuine
Chopped Oats	10.02	4.86	10.53	90 Spurry, 72 Lady's Thumb	60628	Genuine
Cracked Corn	10.41	3.94	1.84	None	60629	Genuine

**J. C. FERGUSON, INSPECTOR.**

Corn & Oats	9.98	3.90	4.64	72 Spurry, 45 Lambs Quarters 36 Lady's Thumb, 18 Chickweed, 4 Hemp Nettle, 4 Canada Thistle.	60636	Genuine
" "	10.54	4.14	3.92	4 Field Pennycress	60637	Genuine
" "	11.10	4.54	6.20	90 Lambs Quarters, 25 Black Bindweed	60638	Genuine
Corn, Barley, etc. Banner Feed Reg. No. 16	9.13	2.84	9.72	180 Lambs Quarters, 20 chickweed, 10 Black Bindweed, 17 Field Pennycress, 4 Hares-ear mustard, 4 wild mustard	60630	Genuine
" "	8.75	2.42	6.64	60 Lambs Quarters	60640	Approximately same value, pass.
Barley, Oats & Wheat	12.40	4.00	8.33	None	60641	Genuine
Oats, Barley & Buckwheat	10.85	3.34	7.23	None	60642	Genuine
Barley Corn & Oats, "Hercules" Brand	11.41	3.26	5.04	675 Lambs Quarters, 110 Black Bindweed, 50 Field Pennycress, 25 Wild mustard, 12 Hares-ear Mustard, 4 Stickseed	60643	Genuine. Noxious Weed Seeds in Excess.
Oats & Corn, "Star" Brand	10.80	2.56	4.40	65 Lambs Quarters, 18 Black Bindweed, 4 Stickseed	60644	Genuine
Corn, Oats & Barley	10.80	3.86	1.64	270 Lambs Quarters, 125 black Bindweed, 20 Green Foxtail, 36 Hares-Ear Mustard, 32 Wild Mustard, 32 Field Pennycress, 4 Stickseed.	60645	Genuine. Noxious Weed Seeds in Excess

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer.	Furnisher

## DISTRICT OF QUEBEC CITY :—

1917 Jan.	11	Chop Feed..	56869 Arthur Thivierge, 368 rue St-Joseph, Quebec	3 lbs	24	Unknown	Unknown
"	11	"	56870 Arthur Drolet, 714 rue St-Valier, Quebec	"	27	N. Rioux & Co	Mfrs
"	11	"	56871 " "	"	15	P. J. Bussieres & Co	"
"	11	"	56872 Mde J. Pruneau, 107 rue St-Luc, Quebec	"	30	N. Turcotte	"
"	12	"	56873 P. E. Kirouac, 1105 St-Valier Quebec	"	24	Unknown	Unknown
"	12	"	56874 A. Faucher, 47 rue St-Bernard Quebec	"	27	D. Bédard,	L. Drolet
"	12	"	56875 " "	"	12	"	"
"	12	"	56876 J. Pepin, 132 rue Massue, Quebec	"	27	Unknown	Unknown
"	12	"	56877 Cantin & Frère, 271 rue St-Joseph, Quebec	"	"	"	P.J. Bussieres
"	12	"	56878 J. D. Marier, 86 rue Dorchester, Quebec	"	30	"	J. B. Renaud

## DISTRICT OF MONTREAL :—

March	16	Chop Feed..	74981 W. L. Hogg, 1573 N. Dame St. E. Montreal	3 lbs		Vendor	.....
"	16	"	74982 Bruneau Currie & Co., Ltd, Montreal	"	"	McDonald & Robb	.....
"	19	"	74983 James Scott & Co., Ltd, 651 St. James St., Montreal	"	"	Vendors	.....
"	19	"	74984 E. A. Caron, 143 Commissioner St., Montreal	"	"	Lake of Woods Co,	.....
"	19	"	74985 " "	"	"	T. A. Raphael & Co	.....
"	20	"	74986 Lake of Woods Milling Co., Montreal	"	"	Vendors	.....
"	20	"	74987 E. A. Barry, 651 Carriere St Montreal	"	"	Vendor	.....

## DISTRICT OF VALLEYFIELD—

Feb.	7	Chop Feed..	74111 J. Hunter & Sons, Huntingdon, P. Q.	3lbs		Vendors	.....
"	14	"	74112 D. Seward, Hawkesbury.....	"	10	.....	.....

## CHOP FEED

Inspector's Report (is not an expression of opinion)	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed Seeds per pound		

## P. X. W. E. BELAND, INSPECTOR

.....	28.56	0.82	1.44	None	56869	Genuine
.....	27.21	0.96	1.76	None	56870	Genuine
.....	15.67	6.90	1.12	18 Black Bindweed	56871	Genuine
.....	26.61	0.84	1.28	None	56872	Genuine
.....	29.22	0.90	1.46	None	56873	Genuine
.....	27.50	0.82	1.44	None	56874	Genuine
.....	9.93	2.60	2.52	4 Black Bindweed, 4 Wild mustard	56874	Genuine
.....	27.72	0.82	1.52	None	56876	Genuine
.....	27.24	0.58	1.48	None	56877	Genuine
.....	27.91	0.64	1.56	None	56878	Genuine

## D. J. KEARNEY, INSPECTOR.

				Vital weed Seeds per ounce		
Corn & Oats	9.80	3.18	7.20	None	74981	Genuine
Peas & Oats	15.10	2.72	7.52	None	74982	Genuine
Moulée, Barley Flour, Oat Feed, Corn meal, Ground Oats	12.00	2.04	10.72	None	74981	Genuine
Wheat Moulée	12.40	2.74	6.44	1 Stinkweed	74984	Genuine
Barley Moulée	10.00	3.00	12.52	2 Black Bindweed, 1 Lady's Thumb	74985	Fibre in excess; but meets minimum value. pass.
Corn, Oats & Barley	10.90	2.72	7.52	6 Lambs Quarters, 1 Chickweed, 1 Black Bindweed, 1 Stink- weed, 23 wild Oats.	74986	Genuine. Noxious-weed seeds in excess
Barley, Corn	11.50	4.00	6.80	None	74987	Genuine

## J. J. COSTIGAN, ACTING INSPECTOR

Oats, Wheat & Corn	11.10	2.36	7.52	1 Black Bindweed 1 wild mus- tard	74111	Genuine
Dairy Feed .....	11.50	3.60	9.18	18 Stinkweed.	74112	Genuine

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	Price	Manufacturer	Furnisher

## DISTRICT OF OTTAWA —

1916	Dec.	23	Chop Feed..	73775	Black & Borthwick, Cornwall	11 lb		Vendors	.....
"	"	20	"	73777	G. D. Atkinson, Cornwall	"	10	Vendor	.....
"	"	26	"	73788	The Pembroke M. Co., Pembroke	3		Vendors	.....
"	"	26	"	73789	"	"	"	"	.....
1917	Jan.	2	"	73517	Estate Lake Oba' Logus, Maniwaki	3 1/4	10	Robin Hood Mills	.....
"	"	2	"	73519	Cavanagh Bros, Maniwaki	3	12	Calgary Campbell & McNab	.....
"	"	2	"	73521	Anastase Roy, Maniwaki....	2	5	Douglas Ont.	.....
"	"	4	"	73528	Major & Kettles, 47 York St., Ottawa	"	"	Western Canada F M. Co., Ottawa	.....
"	"	5	"	73529	W. J. Davidson & Co., 360 Wellington St., Ottawa	3	10	Wm. Scott & Co Deschambes	.....
"	"	5	"	73530	Geo. Saunders, 763 Bank St., Ottawa	"	"	W. E. Cummings, Cumming Bridge	.....

## DISTRICT OF KINGSTON :—

Jan.	3	Chop Feed..	72533	J. A. McFarlane, Kingston...	3 lbs	8	Vendor	.....
"	3	"	72534	Kingston Milling Co., Kingston	"	10	Vendors	.....
"	3	"	72535	W. F. McBroom, Kingston..	"	10	Ogilvie & Co Montreal	.....
"	3	"	72526	Peters Thompson Co, Kings-	"	"	Vendors	.....
"	3	"	72537	D. Couper, Kingston.....	"	"	Kingston M. Co. Kingston	.....
"	8	"	72538	H. Grass, Napance. ....	"	"	Vendor	.....
"	8	"	72539	C. Rathman & Sons, Belleville	"	"	Vendors	.....
"	9	"	72540	J. Panter & Son, Belleville....	"	"	Latt Belleville	.....
"	10	"	72541	R. Denne, Peterboro.....	"	"	Vendor	.....
"	10	"	72542	Peterboro Cereal Co, Peter-	"	"	Vendors	.....

## DISTRICT OF TORONTO—

Jan.	10	Chop Feed..	75551	Moody Bros, Weston.....	3 lbs	5	Vendors	.....
"	10	"	75552	Chalmers M. Co., East To-	"	7	"	.....
"	12	"	75553	W. J. Baldwin, Aurora.....	"	10	Vendor	.....
"	12	"	75554	W. H. Ives, New-market....	"	5	"	.....
"	12	"	75555	Oliver Dike, New-Market....	"	8	"	.....
"	16	"	75556	Cooper Smith Co., Oshawa..	"	5	"	.....
"	17	"	75557	Carnegie Milling Co., Port Perry	"	"	Vendors	.....
"	17	"	75558	James Long, Whitby.....	"	"	Vendor	.....
"	23	"	75559	Crampey & Kelly, 780 Dover court Road, Toronto	"	"	Campbell M. Co Ltd West, Toronto	.....
"	24	"	75560	Peerless Milling Co., 653 Dufferin St., Toronto	"	10	J. A. Pearson, Toronto.	.....

## CHOP FEED

Inspector's Report (is not an expression of opinion).	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed Seeds per ounce		
J. A. RICEY, INSPECTOR						
Oat	11.80	4.45	11.00	1 Black Bindweed	73775	Genuine
Corn	11.20	6.23	2.77	None	73777	Genuine
No 1 Oats, Barley & Peas	16.30	2.61	6.92	None	73788	Genuine
No. 2 Oat and Wheat Screenings	11.70	3.60	7.98	None	73789	Genuine
.....	11.30	3.03	5.98	36 Wild Oats	73517	Genuine, Noxious
.....	12.50	5.55	3.99	None	73519	Weed Seeds in excess Genuine
.....	13.00	5.23	6.83	2 Stinkweed	73521	Genuine
Excelsior Reg. No. 345 claim Protein 11.11 Fat.....2.70 Fibre.....15.81 Oat	10.95	2.72	9.84	None	73528	Genuine
Oat	13.90	4.75	3.94	2 Russian Pigweed, 2 Willow grass, 4 Lambs Quarters, 2 Black Bindweed, 1 wild mustard	73529	Genuine
Oat	12.70	5.52	3.47	None	73530	Genuine

**JAS. HOGAN, INSPECTOR**

Oats	12.90	6.96	9.16	None	72537	Genuine
Oats	13.20	6.62	10.21	2 Lambs Quarters, 7 Stinkweed	72534	Genuine. Noxious
Oats	11.90	5.06	4.24	1 Wild Oat	72535	Weed Seeds in excess
Oats	11.90	3.18	11.52	3 Wild Oats	72536	Genuine. Noxious
Corn & Oats	13.50	3.98	7.98	None	72537	Weed Seeds in excess Genuine
Barley & Oats	11.70	3.28	8.54	None	72538	Genuine
Oats	12.80	3.98	13.16	None	72539	Genuine
Oats	11.20	2.75	12.41	None	72540	Genuine
Oats	13.40	3.76	5.81	1 Wild Mustard	72541	Genuine
Oat	12.90	3.45	12.91	None	72542	Genuine

**H. J. DAGER, INSPECTOR**

Oats	11.20	3.40	15.96	None	75550	Fibre in excess: but meets value, pass.
Oats	10.20	4.60	10.60	None	75552	Genuine
.....	10.10	3.58	3.58	None	75553	Genuine
Oats	8.80	3.79	15.31	23 Lambs Quarters, 2 Lady's Thumb, 1 Wild mustard, 6 wild Oats, 1 Chickseed	75554	Meets minimum value, pass. Noxious Weed Seeds in excess
Barley	10.00	1.55	6.23	None	75555	Genuine
Oats	10.10	4.10	11.58	6 Black Bindweed, 2 Lambs Quarters, 1 Stickseed	75556	Genuine
Oats	11.20	3.71	10.81	None	75557	Genuine
Barley, Wheat & Corn	10.20	3.33	2.33	None	75558	Genuine
Corn	9.00	4.04	2.45	None	75559	Genuine
Oats	10.60	4.60	7.94	1 Black Bindweed, 20 Wild Oats	75560	Genuine. Noxious weed Seeds in excess

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer.	Furnisher.

## DISTRICT OF HAMILTON —

1917	Jan.	30	Chop Feed..	75623	W. J. Curry, Orangeville. ....	3 lbs	15	The Georgian Bay M & P Co, Meaford.	
	"	31	"	75624	S. F. M. O'Flynn & Son Shelburne	3	7	Vendors	
	"	31	"	75625	H. White & Co, Shelbourne..	"	15	"	
	"	31	"	75626	W. Buxton, Fiesherston.....	"	10	Vendor	
	Feb.	1	"	75627	Moody Bros, Dundalk.....	"	5	Vendors	
	"	2	"	75628	Adam Brown & Sons, Owen Sound	"	"	"	
	"	6	"	75629	J. Black & Sons, St-Catharines	"	"	"	
	"	6	"	75630	The Maple Leaf M. Co., Ltd St. Catharines	"	5	"	
	"	6	"	75631	Wm. Munroe, Thorold.....	"	8	"	
	"	7	"	75632	Crane Bros, Niagara Falls Ont.	2 1/2	5	"	

## DISTRICT OF WINDSOR —

Jan.	9	Chop Feed..	65108	J. D. Sowler, Ingersoll.....	3 lbs	2	Lake of the Woods Milling Co	
"	9	"	65109	" " "	"	"	"	
"	10	"	65110	F. C. Rickess, Tillsonburg..	"	10	Canar Flour M. Co., Tillsonburg, Ont.	
"	10	"	65120	" " "	"	"	Quaker Oats M. Co. Peterboro	
"	10	"	65121	David Cromet, Tillsonburg	"	"	Vendors	
"	10	"	65122	" " "	"	"	Lake of the Woods Milling Co	
"	11	"	65123	E. Edmunds, Huron.....	"	8	"	
"	17	"	65140	Lee & Talbot, London East	"	8	"	

## DISTRICT OF NORTHERN ONTARIO —

Jan.	15	Chop Feed..	77621	H. P. Poisson, North Cobalt.	3 lbs	9	The Caldwell Feed Co Dundas, Ont.	
"	16	"	77630	Reamsbottom & Edwards, Kerr Lake	"	10	Dom. Mills Ltd., Calgary	
"	16	"	77631	" " "	"	"	"	
"	16	"	77632	Morta Bros, Cobalt.....	"	9	"	Unknown
"	18	"	77643	R. Rankin, North Bay.....	"	10	Lake of the Woods M. Co., Montreal	
"	18	"	77644	R. Bunyan & Co, North Bay	"	9	Capland & Sons, Midland, Ont.	
"	18	"	77645	" " "	"	"	Vendors	
"	18	"	77646	" " "	"	"	Capland & Sons Midland Ont.	

## CHOP FEED

Inspector's Report (In not an expression of opinion)	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed seeds per ounce		

## H. J. DAGGER, ACTING INSPECTOR

Oats & Corn	7.70	2.17	15.80	None	75623	Adulterated.
Barley & Corn	10.70	2.68	4.04	None	75624	Genuine
Oats	10.80	2.24	11.24	None	75625	Genuine
Wheat	9.50	2.03	2.20	1 Lambs Quarters	75626	Genuine
Oats	10.10	4.40	8.80	None	75627	Genuine
Oats, Barley & Wheat	12.00	1.96	12.51	1 Wild Oat	75628	Genuine
Oats	11.90	2.54	8.73	1 Chase	75629	Genuine
Oats	10.90	4.22	10.47	6 Lambs Quarters	75630	Genuine
Oats	10.30	3.97	9.85	None	75631	Genuine
Corn & Oats	9.90	4.60	7.21	None	75632	Genuine

## JOHN TALBOT, INSPECTOR

Oats	12.50	3.63	10.20	6 wild oats	65108	Genuine. Noxious Weed Seeds in excess.
Barley	12.60	2.45	5.60	1 Lambs Quarters, 2 Stinkweed 1 Hares-Ear Mustard	65109	Genuine. Noxious Weed Seeds in excess
Corn	10.30	4.50	2.81	None	65119	Genuine
Corn & Oats	10.70	2.11	9.08	None	65120	Genuine
Corn	8.80	3.81	2.85	None	65121	Genuine
Barley	12.20	2.38	5.41	None	65122	Genuine
Oats and a small quantity of wheat	10.90	4.70	8.40	2 Lambs Quarters	65123	Genuine
Corn	9.40	3.61	4.34	None	65149	Genuine

## F. W. FORDE, ACTING INSPECTOR

	7.20	2.74	20.60	None	77631	Adulterated, excess fibre
	10.40	5.45	8.79	None	77630	Genuine
	10.40	5.33	3.04	None	77631	Genuine
	12.70	4.75	9.40	None	77632	Genuine
	14.60	2.82	6.25	American Dragonhead	77643	Genuine
Oats Wheat & Barley	11.40	3.73	9.05	1 Black Bindweed, 2 lambs quarters, 2 Ragweed	77644	Genuine
Corn & Oats	6.47	1.82	14.67	1 Lambs Quarters, 1 Stinkweed	77645	Adulterated
Corn	9.10	2.47	2.92	None	77646	Genuine

\* Is registered as No. 422. Claim 7.06 Protein. 2.5 Fat. 11.5 Fibre.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

## DISTRICT OF FORT WILLIAM AND PORT ARTHUR :—

1916	Dec. 28	Chop Feed..	75140	Bole Grain Co. Fort William..	3 lbs		Ogilvie Mills Co Fort William	.....
"	28	Rolled Oats	75141	Western Canada Mills Co Fort William	"	"	West. Can. F. M. Co, St Boniface	.....
"	28	Chop Feed..	75142	Lake of the Woods Mills Co	"	"	Vendor	.....
"	28	"	75143	" " " "	"	"	"	.....
1917	Jan. 5	Chop Feed..	75145	Marks Clavet & Dobie, Port Arthur	"	15	Ogilvie M. Co	.....
"	5	"	75146	" " "	"	20	"	.....
"	5	"	75147	" " "	"	"	"	.....
"	5	"	75148	H. Bray & Co. Port Arthur..	"	"	Chisholm M. Co Toronto	.....
"	5	"	75149	Philipp Labby, Port Arthur..	"	10	Ogilvie Mills Co	.....
"	5	"	75150	" " "	"	10	"	.....
"	6	"	75150	Hugh Parlow & Co. Fort Wil- liam	"	"	West Can. M. Co St-Boniface	.....

## DISTRICT OF MANITOBA :—

Jan.	18	Chop Feed..	75152	Robert Nisbet, St. Vital, Man	4 lbs	25	Lake of the Woods Millings Co. Lake of the Woods, Ont	.....
"	18	"	75153	J. Clays, St Vital, Man.....	3	15	Lang Bros, Fort Rouge, Winnipeg.	.....
"	25	"	75154	Winkler M. Co., Winkler Man.	"	nil	Vendors	.....
"	31	"	75156	J. P. Fresson, Gretna, Man...	"	"	Vendor	.....
"	31	"	75157	" " "	"	"	"	.....
"	31	"	75159	Altona Flour M. Co, Altona Man.	"	"	Vendors	.....
Feb.	7	"	75191	North End. Hay Exchange, 913 Main St. Winnipeg.	"	"	Lang Bros, Princess St., Winnipeg	.....
"	8	"	75192	The Lawrence Feed & Trans- Co., Winnipeg	"	10	Vendors	.....
"	8	"	75193	Can. Farmers Hay Exchange 817 Main St., Winnipeg	"	10	"	.....
"	8	"	75194	" " "	"	"	"	.....

## DISTRICT OF SASKATCHEWAN—

Feb.	8	Chop Feed..	71659	Wilbur George, Gull Lake...	3 lbs	10	Vendor	.....
"	9	"	71670	Law & MacKay, Swift Cur- rent	"	"	"	.....
"	15	"	71678	C. H. Boyd, Moose Jaw...	"	nil	"	.....
"	26	"	71680	C. P. Walsh, Moose Jaw...	"	5	Vendor	.....
"	26	"	71681	Robin Hood Mills Ltd, Moose Jaw	"	nil	Vendors	.....
"	27	"	71682	Regina Flour Feed Store, Re- gina	"	"	"	.....
"	28	"	71691	Capital City Flour Mills, Regina	"	"	"	.....

## CHOP FEED

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Inspector's Report (is not an expression of opinion).	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed Seeds per ounce		

## J. B. GOSGROVE, ACTING INSPECTOR

Oats	12.25	5.24	9.15	15 Lamb Quarters, 5 Bindweed	75140	Genuine. Noxious weed
Oats	12.40	4.48	10.75	2 wild Oats, 2 Ball mustard	75141	Seeds in excess Genuine
Oats	12.10	4.56	11.35	None	75142	Genuine
Oats	12.75	3.15	11.25	4 Lamb Quarters	75143	Genuine
Oats	12.45	4.70	11.55	1 Lamb Quarters	75145	Genuine
Oats	12.50	4.02	10.35	5 Bindweed, 14 Lamb Quarter ters, 2 wild Oats, 1 Ball must- ard, 1 Hares-ear mustard	75146	Genuine. Noxious weed Seeds in Excess
Oats	12.40	2.74	4.60	None	75147	Genuine
Corn	9.88	3.62	1.95	None	75148	Genuine
Oats	12.10	4.58	11.95	10 Lamb Quarters	75149	Genuine
Oats & Barley	12.30	3.78	9.65	8 Lamb Quarters, 2 Wild Oats	75150	Genuine
Wheat	13.55	3.68	5.95	1 Pennycress. 20 Bindweed	75151	Genuine

## J. B. GOSGROVE, INSPECTOR

Oats	10.80	4.62	10.95	2 Lamb Quarters, 15 Bindweed	75152	Genuine
Oats	12.00	4.54	10.70	4 Lamb Quarters, 3 wild Oats, 1 Bindweed	75153	Genuine. Noxious weed Seeds in Excess.
Barley	11.90	2.64	8.40	4 Lamb Quarters, 7 wild must- ard	75154	Genuine. Noxious weed Seeds in Excess
Barley	14.00	2.00	5.90	5 Wild mustard, 1 Wild Oat	75155	Genuine. Noxious weed Seeds in Excess.
Wild Oats	12.30	3.98	12.10	33 wild Oats, 1 Bindweed, 1 wild mustard	75157	Genuine. Noxious weed Seeds in Excess
Screening	12.40	3.22	8.15	13 Wild mustard, 12 wild oats, 64 Lamb Quarters, 45 Pen- nycress, 6 Hares-Ear mustard	75159	Genuine. Noxious weed Seeds in Excess
Oats	11.60	4.66	8.75	28 Wild mustard, 1 Wild Oat, 7 Hares-Ear Mustard, 1 Lamb Quarters, 5 Prairie Sunflower	75191	Genuine. Noxious weed Seeds in Excess
Oats	11.00	5.10	7.05	6 Lamb Quarters, 39 Wild Oats	75192	Genuine. Noxious weed Seeds in Excess
Oats	9.70	3.22	2.30	1 Wild Oat, 12 Bindweed, 1 wild Mustard, 51 Lamb Quarters	75193	Genuine. Noxious weed Seeds in Excess
Oats "Jersey" Brand	12.70	5.52	7.30	2 Stickweed, 1 Pennycress 80 Lamb Quarters, 36 Penny- cress.	75194	Genuine. Noxious weed Seeds in Excess

## L. H. HALL, INSPECTOR

.....	10.00	5.24	7.00	2 Lamb Quarters.	71650	Genuine
.....	11.50	5.12	7.90	1 Bindweed	71670	Genuine
.....	11.50	5.24	9.10	1 Peppergrass, 9 wild mustard..	71678	Genuine. Noxious w ad Seeds in Excess.
.....	10.70	5.18	9.70	None	71680	Genuine
Economy Oat chop 2nd grade.	12.00	4.40	8.00	None	71681	Genuine
.....	10.30	4.80	12.00	2 Pennycress	71682	Genuine
.....	10.70	5.48	10.30	1 Pennycress, 1 Lamb Quarters	71691	Genuine

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	etc.	Manufacturer.	Furnisher

## DISTRICT OF ALBERTA—

1917	Feb.	13	Chop Feed..	52579	G. E. Elliott, Stettler .....	1 lbs	no	Vendor	.....
"	"	14	"	52580	E. A. Begert, Castor .....	"	"	"	.....
"	"	17	"	52581	H. Grubert, Leduc .....	"	"	"	.....
"	"	23	"	52582	J. E. Love, Calgary .....	"	"	"	.....
"	"	23	"	52583	" " "	"	"	"	.....
"	"	23	"	52584	" " "	"	"	"	.....
"	"	23	"	52585	Farmers Flour & Feed Store, 219-4 St. S-E Riverside	"	"	Vendors	.....
"	"	23	"	52586	D. B. Anderson, Calgary ....	"	"	Vendor	.....
"	"	23	"	52587	" " "	"	"	"	.....
"	"	23	"	52588	Thos. Fletcher, Calgary .....	"	"	"	.....

## DISTRICT OF ROCKY MOUNTAINS —

Jan.	22	Chop Feed..	68314	The Trites Wood Co, Fernie B. C.	3 lbs	15	Robin Hood Mills Ltd, Calgary	.....
"	23	"	68327	The Cranbrook Trading Co., Cranbrook, B. C.	"	"	W. C. Flour Mills, Calgary	.....
"	23	"	68328	" " "	"	"	Taylor M. & E. Co. Lethbridge	.....
"	23	"	68329	" " "	"	"	" " "	.....
"	25	"	68338	Brackman Ker, M. Co. Nel- son, B. C.	"	"	Alberta Pacific Grain Co., Calgary	.....
"	25	"	68339	" " "	"	"	Strome M. Co Strome	.....
"	25	"	68340	MacLeod Flouring Mills, Nelson, B. C.	"	15	MacLeod F. Mills MacLeod	.....
"	25	"	68341	" " "	"	"	" " "	.....
"	25	"	68342	A. S. Horswill & Co, Nelson B. C.	"	"	Ellison M. Co. Lethbridge	.....
"	25	"	68343	" " "	"	"	" " "	.....
"	25	"	68344	" " "	"	"	" " "	.....

## CHOP FEED

Inspector's Report (Is not an expression of opinion)	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed Seeds per ounce		
A. W. R. MARKLEY INSPECTOR						
Oats, with a small percentage of Barley & Wheat	11.50	4.02	9.50	None	52579	Genuine
Oats	10.00	5.20	12.20	2 Lambs Quarters	52580	Genuine
Oats & Barley	11.20	3.84	7.80	2 Peppergrass, 4 Ball mustard, 6 Lambs quarters, 3 bindweed	52581	Genuine. Noxious weed seeds in excess
Corn	10.00	3.82	2.40	None	52582	Genuine
Barley	11.70	2.52	7.20	None	52583	Genuine
Oats	11.00	5.40	9.60	None	52584	Genuine
Oats	10.00	6.00	9.60	None	52585	Genuine
Barley	10.50	2.14	4.90	None	52586	Genuine
Oats	11.20	5.30	13.50	1 Bindweed	52587	Genuine
Barley & Oats	11.20	4.72	6.80	1 Bindweed	52588	Genuine

## THOS. PARKER, INSPECTOR

Oats	9.55	5.88	9.55	17 Lambs Quarters, 4 Stinkweed	68314	Genuine. Noxious Weed seeds in Excess
Oats	11.35	2.28	3.80	7 Lambs Quarters.	68327	Genuine
Oats	10.95	5.20	7.10	5 Lambs Quarters, 2 Wild Oats, 1 Black Bindweed, 1 Ball mustard, 7 Hare-ear mustard, 6 Tumbling Mustard.	68328	Genuine. Noxious weed seeds in Excess
Barley	11.20	2.26	4.70	21 Black Bindweed, 2 Lambs Quarters, 1 Stinkweed	68329	Genuine
Oats	10.80	5.60	8.40	None	68336	Genuine
Barley	11.00	2.46	3.75	None	68339	Genuine
Barley	12.40	2.20	4.70	20 Lambs Quarters, 1 Stinkweed	68340	Genuine
Oats	11.95	4.86	8.35	10 Black Bindweed, 250 Lambs Quarters, 1 Stinkweed, 1 Pen-wycress, 10 wild Oats, 1 Sunflower	68341	Genuine. Noxious weed seeds in Excess
Oats	10.75	4.92	7.70	2 Lamb Quarters, 2 Wild Oats	68342	Genuine
Barley	12.20	2.54	6.15	2 Lambs Quarters, 3 wild Oats	68343	Genuine. Noxious weed seeds in Excess
Mixed	10.50	4.04	11.10	21 Lambs Quarters, 3 Tumbling Mustard	68344	Genuine. Noxious weed seeds in Excess

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

## DISTRICT OF VANCOUVER —

1917 Jan.	13	Chop Feed.	55827 W. Simpson, 131 Cordova St. E. Vancouver	3 lbs	10	Vendor	.....
"	13	"	55828 George Wagg, 910 Main St. Vancouver	"	"	Grain Growers B.C. Agency New Westminster	.....
"	18	"	55829 Vernon Feed Co, 1016 Main Vancouver	"	7½	A. E. Burnett & Co Vancouver	.....
"	18	Chic. Chop	55830 " " "	"	"	Vendors	.....
"	18	Chop Feed..	55831 R. V. Palmer, 975 Main St., Vancouver	"	10	Vendor	.....
"	18	"	55832 Vernon Feed Co, 255 Broadway, Vancouver	"	"	Vendors	.....
"	18	Chic. Chop	55833 W. Bushfield, 716 Kingsway Vancouver	"	"	"	.....
"	18	"	55834 Vernon Feed Co 1435 Kingsway	"	"	Unknown	.....
"	17	"	55835 Brackman Mer M Co, New Westminster, B. C.	"	"	Vendors	.....
"	17	Ground Feed	55836 " " "	"	"	"	.....

## DISTRICT OF VICTORIA —

Jan.	24	Chop Feed..	55889 Sylvester Feed Co, 709 Yates St., Victoria, B. C.	3 lbs	5	Vendors	.....
"	24	"	55890 " " "	"	"	"	.....
"	24	"	55891 Victoria Feed Co, 1901 Gov't St., Victoria, B. C.	"	nil	"	.....
"	24	"	55892 " " "	"	"	"	.....
"	24	Chic. Chop	55893 Scott & Peden, Stone & Curmorant Sts, Victoria B.C.	"	10	"	.....
"	24	"	55894 Brackman Ker M. Co, Victoria, B. C.	"	8	Vendors	.....
"	24	Chop Feed..	55895 " " "	"	"	"	.....
"	24	"	55896 " " "	"	9	"	.....
"	24	Dry Hopper Feed	55897 Vancouver Mill & Grain Co Victoria, B. C.	"	nil	"	.....
"	24	Poultry Mash	55898 " " "	"	"	"	.....

## CHOP FEED

Inspector's Report (Is not an expression of opinion).	Results of Analysis				Number of Sample	Remarks and Opinion of the Chief Analyst
	Protein	Fat	Fibre	Vital weed seeds per ounce		

## G. G. ARMYTAGE, INSPECTOR

Oats	10.25	5.06	8.20	44 Spurry, 10 Lamb Quarters, 30 Lady's Thumb, 30 Black weed	55827	Genuine
Oats	10.55	5.30	8.95	2 Black Bindweed.	55828	Genuine
Barley	11.60	2.08	4.65	1 Lamb Quarters, 3 Lady's Thumb	55829	Genuine
.....	12.95	4.14	5.15	1 Black Bindweed	55830	Genuine
Oats	11.25	4.70	7.25	32 Black Bindweed, 49 Lady's Thumb 180 Spurry, 7 Wild Oats	55831	Genuine. Noxious weed seeds in Excess
Barley	11.70	2.22	4.65	None	55832	Genuine
.....	14.00	8.14	6.80	2 Lambs Quarters	55833	Genuine
.....	13.00	5.13	5.95	None	55834	Genuine
.....	15.15	4.80	7.95	None	55835	Genuine
Barley	12.05	2.04	3.55	None	55836	Genuine

## G. G. ARMYTAGE, ACTING INSPECTOR

Creamery Chop, Reg. No 387	15.75	5.40	10.55	None	55889	Genuine
Excelsior Chop Reg. No. 386	9.95	3.24	7.25	2 Spurry	55890	Genuine
Oats	9.90	4.70	9.75	6 Lambs Quarters	55891	Genuine
Wheat	16.45	3.58	3.35	35 Lambs Quarters, 8 Black Bindweed	55892	Genuine
.....	16.90	4.32	7.10	13 Spurry, 1 Black Bindweed, 3 Lambs Quarters	55893	Genuine
Reg. No. 154	12.75	4.28	5.60	None	55894	Genuine
Jersey Feed, Reg. No. 431	17.90	4.06	12.30	None	55895	Genuine
Oat Reg. No 187	8.80	3.38	17.00	3 Spurry, 3 Lady's Thumb, 1 Black Bindweed, 10 Lambs Quarters.	55896	Practically meets claim. Pass
.....	15.90	2.76	6.75	1 Hares-eat Mustard	55897	Genuine
.....	14.65	4.04	8.25	1 Lamb Quarters	55898	Genuine